

This image displays a variety of mechanical tools and pipe fittings. At the top left is a pair of long-handled gas tongs. Below them are two different types of right-angle tees, each with four or three ways. In the center are three different models of bottom steam cocks, some with hand levers. To the right is a large, coiled severe coil. The bottom section features two spanners, two improved solid bottom iron cocks (one with a flange), a double bend malleable elbow, a union joint, a taper tap, a plug tap, and an improved flange. A large stock and die tool is positioned at the very bottom.

SYPHON BOX
 GAS TONGS.
 RIGHT ANGLE TEE WITH FOUR WAYS
 RIGHT ANGLE TEE WITH THREE WAYS
 HUGHES' PATENT SOLID BOTTOM STEAM COCK.
 IMPROVED SOLID BOTTOM GUN METAL COCK
 SECTION HUGHES' PATENT STEAM COCK
 SEVERE COIL
 ELBOW BURNERS
 SOCKET.
 IMPROVED SOLID BOTTOM IRON COCK SCREWED
 SPANNER
 IMPROVED SOLID BOTTOM IRON COCK FLANGED
 SPANNER
 BIG COCK
 UNION JOINT.
 TAPER TAP
 STOCKS & DIES
 PLUG TAP
 DOUBLE BEND MALLEABLE.
 IMPROVED FLANGE

SCREWING STOCKS, TAPS, DIES, &c.		No. 1 Set.			No. 2 Set.			No. 3 Set.			No. 4 Set.		
QUALITY WARRANTED.		Inches											
		3	2½	2¼	2	1½	1¼	1	¾	½	¾	½	¼
Stocks, with 3 pairs each Taps & Dies per set		260/-			120/-			52/6			32/6		
Dies	per pair	25 0	20 0	17 0	14 0	9 0	7 6	6 6	5 6	4 6	4 0	3 6	3 6
Hobs or Master Taps	each	45 0	33 0	25 0	16 0	8 6	7 0	6 6	5 6	4 6	4 0	3 6	3 6
Taps	per pair	80 0	60 0	45 0	32 0	17 6	12 6	10 0	8 0	6 6	5 6	4 6	4 0
Tap Wrenches	each	47/-			25/-			12/6			7/6		
Rymers, Hexagon or Octagon		37 6	30 0	23 0	15 0	8 0	6 0	4 6	3 6	3 0	2 3	1 9	1 6
Stocks, Taps, and Dies, for ⅜, ½, and ⅝ in.		20/- per Set complete. Without Taps, 12/- per Set.											
Copper Tube													

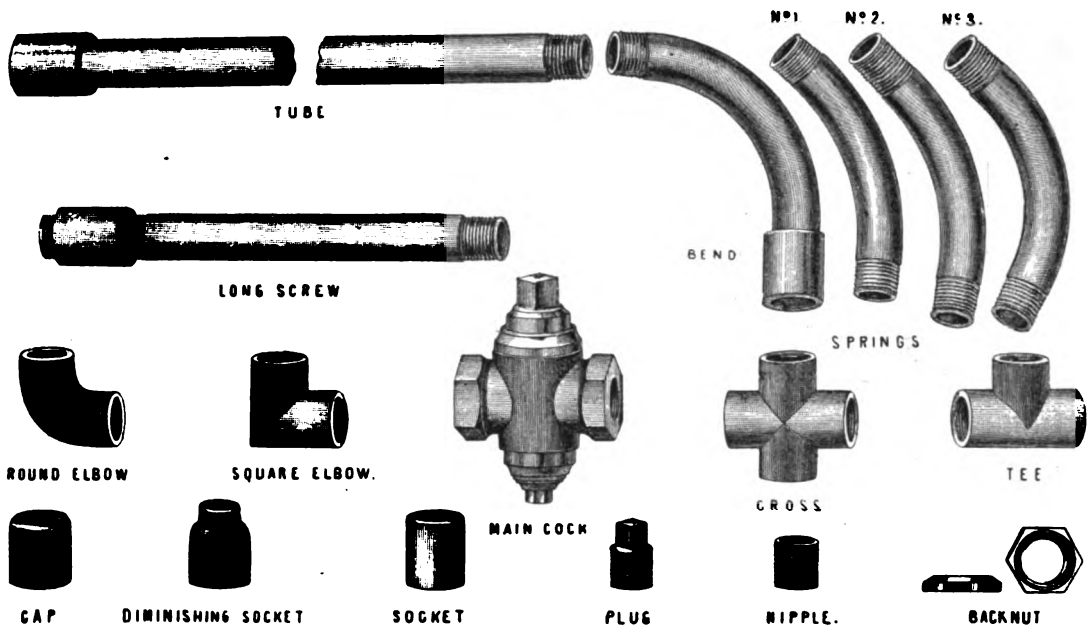
SUNDRIES.		Inches	3	2 $\frac{3}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{4}$	2	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{4}$	1	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$															
Cocks, Improved Solid Bottom, Gun Metal	each		s. 115	d. 09	d. 8	s. 80	d. 6	d. 62	d. 0	s. 36	d. 6	d. 32	d. 0	s. 20	d. 10	d. 14	d. 6	d. 9	d. 9	d. 6	d. 4	d. 4	d. 7	d. 3	d. 6	d. 3	d. 6	d. 3	d. 0		
Cocks, Improved Solid Bottom, Iron Round Way	{	If with Bibs or Flanges	s. 56	d. 05	d. 0	s. 44	d. 0	d. 30	d. 0	s. 18	d. 0	d. 14	d. 0	s. 10	d. 6	d. 8	d. 6	d. 0	d. 6	d. 0	d. 6	d. 4	d. 4	d. 7	d. 3	d. 6	d. 3	d. 6	d. 3	d. 0	
Ditto, with Gun-Metal Plugs		10 % extra.	s. 96	d. 08	d. 0	s. 84	d. 0	d. 68	d. 0	s. 48	d. 0	d. 34	d. 0	s. 29	d. 0	d. 22	d. 0	s. 15	d. 6	d. 10	d. 6	d. 4	d. 4	d. 7	d. 3	d. 6	d. 3	d. 6	d. 3	d. 0	
Spanners for Cocks	s. 2	d. 9	d. 2	s. 6	d. 2	d. 3	d. 2	s. 0	d. 1	d. 9	d. 1	s. 6	d. 1	d. 4	d. 1	s. 10	d. 11	d. 0	d. 9	d. 0	d. 9	d. 0	d. 8	d. 0	d. 7	d. 0	d. 7	d. 0	
Brass Unions	s. 36	d. 30	d. 0	s. 22	d. 6	d. 17	d. 3	s. 14	d. 6	d. 11	d. 6	s. 8	d. 6	d. 4	d. 8	s. 3	d. 6	d. 2	d. 0	d. 1	d. 9	d. 1	d. 3	d. 1	d. 3	d. 1	d. 3	d. 0	
Elbow Burners per gross	s. 10	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0
Socket Burners	s. 10	d. 6	d. 9	s. 6	d. 8	d. 7	d. 0	s. 5	d. 6	d. 5	d. 0	s. 4	d. 8	d. 3	d. 8	s. 3	d. 2	d. 2	d. 7	d. 2	d. 4	d. 1	d. 11	d. 1	d. 11	d. 1	d. 11	d. 1	
Pipe Tongs or Nippers per pair	s. 12	d. 0	d. 10	s. 3	d. 9	d. 4	d. 8	s. 6	d. 6	d. 10	d. 5	s. 8	d. 5	d. 0	d. 4	s. 6	d. 3	d. 7	d. 3	d. 1	d. 2	d. 7	d. 2	d. 3	d. 2	d. 3	d. 2	d. 3	
Socket Tongs or Nippers	s. 2	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	s. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0	d. 0
Two-hole Pliers	s. 16	d. 6	d. 12	s. 3	d. 8	d. 0	d. 6	s. 3	d. 4	d. 6	d. 4	s. 0	d. 3	d. 6	d. 2	s. 3	d. 1	d. 5	d. 1	d. 2	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1
Malleable Double Bends each	s. 19	d. 6	d. 12	s. 3	d. 8	d. 0	d. 6	s. 3	d. 4	d. 6	d. 4	s. 0	d. 3	d. 6	d. 2	s. 3	d. 1	d. 5	d. 1	d. 2	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1	d. 1
Gas Hooks per gross	s. 19	d. 6	d. 16	s. 0	d. 12	d. 6	d. 9	s. 6	d. 10	d. 6	d. 4	s. 5	d. 9	d. 4	d. 7	s. 3	d. 8	d. 3	d. 0	d. 2	d. 0	d. 1	d. 8	d. 1	d. 8	d. 1	d. 8	d. 1	d. 8

Hydraulic Press Tubes, proved to 4000 lb. per square inch, *qd.* to *6d.* per lb. Gas Burners, best make, *5s.* per gross.
 Founders' Core Bars, plain, *qd.* to *6d.* per lb.; Drilled or Tapered, *4d.* per lb. extra; Tapered or Drilled, *1d.* per lb. extra.
 Flush-Jointed Boring Tubes. Steam Boiler Fittings, Gauges, &c.
 Three and Four Way Cocks. Glass Blowers' Tubes, &c., &c.

THE BIRMINGHAM PATENT IRON AND BRASS TUBE COMPANY,
SMETHWICK, NEAR BIRMINGHAM. LONDON OFFICE: 77, CANNON STREET, E.C.4.

LONDON OFFICE: 77, CANNON STREET, E.C.

PRICES OF WROUGHT-IRON TUBES AND FITTINGS.



TUBES.

Internal Diameter in Inches ..	4	3½	3	2½	2½	2½	2	1½	1½	1½	1	¾	½	¾	½	¼
Tubes assorted, from 2 to 14 feet, per foot	7/0	5/6	4/6	4/0	3/3	2/6	1/9	1/6	1/2	0/11	0/8	0/6	0/4½	0/3½	0/3	0/2½
Pieces from 12 to 23 inches each	14/6	11/6	9/0	7/6	6/3	4/6	3/0	2/6	2/0	1/8	1/4	1/0	0/9	0/7	0/5	0/4
Ditto from 3 to 11 ditto ..	9/0	8/0	7/0	6/0	4/9	4/0	2/3	2/0	1/4	1/1	0/11	0/8	0/6	0/4	0/3	0/2
Longscrews, from 12 to 23½ in. ..	15/6	12/6	10/0	8/6	7/0	5/6	4/0	3/3	2/6	2/0	1/6	1/2	0/11	0/9	0/7	0/5
Ditto 3 to 11 do. ..	10/0	8/6	7/6	6/6	5/6	4/6	3/0	2/6	2/0	1/3	1/0	0/10	0/8	0/6	0/5	0/4
Bends and Lamp Bends	32/6	25/0	16/0	12/0	10/0	6/6	4/3	3/3	2/3	1/9	1/3	0/11	0/8	0/7	0/6½	0/5½
Springs, various elevations	26/0	19/0	12/0	10/0	7/6	5/6	3/3	2/6	1/8	1/4	0/11	0/9	0/7	0/6	0/5	0/4

FITTINGS.

Square Elbows, equal or reducing	28/0	22/0	14/0	11/0	8/6	5/6	3/6	3/0	2/3	1/9	1/2	0/10	0/8	0/7	0/6½	0/6
Round Elbows	32/0	25/0	16/0	13/0	10/0	6/6	3/10	3/4	2/6	1/11	1/4	1/0	0/9	0/8	0/7	0/7
Tees, equal or reducing	30/0	24/0	16/6	12/6	9/6	6/0	3/9	3/0	2/6	1/9	1/3	1/0	0/9	0/7	0/6½	0/6
Crosses, ditto	50/0	42/0	30/0	21/0	16/0	10/6	5/3	4/6	3/6	3/0	2/3	1/9	1/5	1/0	1/0	0/10
Sockets, reducing	9/0	7/0	5/0	4/0	3/0	2/0	1/3	1/1	0/11	0/9	0/7	0/6	0/5	0/4	0/3	..
Caps and Plugs	10/0	7/0	4/9	3/6	2/6	2/0	1/3	1/0	0/10	0/8	0/6	0/5	0/4	0/3	0/3	0/2
Nipples and Backnuts	5/6	4/6	3/6	3/0	2/3	1/9	1/0	0/10	0/8	0/6	0/4	0/3½	0/3	0/2	0/2	0/1
Sockets, plain	6/0	5/0	3/6	3/0	2/6	1/6	1/0	0/9	0/7	0/6	0/4	0/3½	0/3	0/2	0/1½	0/1½
Flanges	11/6	10/0	8/6	6/9	5/0	3/9	2/6	2/0	1/9	1/6	1/4	1/2	1/0	0/10	0/9	0/8
Iron Main Cocks	90/0	75/0	50/0	44/0	36/0	27/0	18/0	14/0	11/0	8/6	6/6	4/6	3/6	2/9	2/3	2/3
Ditto with Brass Plugs ..	190/0	140/0	110/0	90/0	60/0	47/0	32/0	25/0	19/6	15/0	10/6	7/6	5/6	4/6	3/6	2/3
Ditto Round Way	160/0	100/0	70/0	62/0	54/0	38/0	22/0	17/6	13/0	10/0	7/6	5/6	4/0	3/6	2/3	2/3
Ditto ditto with Brass Plugs	280/0	180/0	120/0	105/0	85/0	60/0	42/0	36/0	28/0	19/0	13/0	9/0	6/6	5/0
Syphon Boxes, 1 quart	18/0	16/0	15/6	15/0	14/0	13/0	12/0	11/0
Ditto 2 quarts	40/0	35/0	30/0	25/0	23/0	21/0	19/0	18/0	17/0	16/0
Ditto 3	56/0	50/0	45/0	40/0	35/0	32/0	28/0	26/6	25/0	24/0	22/0	20/0
Ditto 4	60/0	54/0	47/0	42/0	38/0	34/0	31/0	29/0	27/0	25/0	23/0	21/0

Intermediate sizes charged at the next higher rates. Tees, Crosses, &c., with additional outlets, to order.

N.B.—The above Prices are subject to discounts varying with the price of Iron.

THE BIRMINGHAM PATENT IRON AND BRASS TUBE COMPANY,
SMETHWICK, NEAR BIRMINGHAM. LONDON OFFICE: 77, CANNON STREET, E.C.

Patent Lap-Welded Iron Tubes for Locomotive and Marine Boilers.

FIRST-CLASS MEDAL,
LONDON, 1851.

ESTABLISHED 1840.

PARIS MEDALS,
1855 & 1867.

PRICES PER FOOT OF LAP-WELDED IRON BOILER TUBES.

External Diameter in Inches	1 1/2	1 3/4	1 1/2	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5	5 1/4	5 1/2	6	6 1/4	6 1/2	7	7 1/4	8
Usual B.W.G.	14	13	13	12	12	12	11	11	10	10	10	9	9	8	8	7	7	7	7	7	5	4
Price per foot of usual B.W.G.	9 1/4	9 3/4	10	10 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
Ditto 1 extra Gauge	10 3/4	11 1/4	11 1/4	11 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
Ditto 2 extra Gauges	11 1/4	12 1/4	12 1/4	12 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
Ditto 3 extra Gauges	12 1/4	13 1/4	13 1/4	13 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4
Ditto 1/2 inch Thick	13 1/4	14 1/4	14 1/4	14 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4	15 1/4
1/4 inch Thick	14 1/4	15 1/4	15 1/4	15 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4	16 1/4
3/8 inch Thick	15 1/4	16 1/4	16 1/4	16 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4	17 1/4
1/2 inch Thick	16 1/4	17 1/4	17 1/4	17 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4
5/8 inch Thick	17 1/4	18 1/4	18 1/4	18 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4	19 1/4

Tubes of intermediate diameter to be charged at the same price as the next larger size. Stays of intermediate thicknesses to be charged at the next thicker size. Extreme lengths at special prices. No extra charge for Tubes swelled 1/4 th of an inch at one end and three inches up. Extra swelling will be charged 12s. per 100 ends, gross, per 1/4 th and 3 inches long, up to 4 inches diameter.

PRICES PER FOOT FOR IRON TUBULAR SCREWED STAYS, INCLUSIVE OF 11 INCHES OF SCREWING.

External Diameter in Inches	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5
1/4 inch Thick	2/2	2/3	2/4	2/5	2/7	2/9	3/1	3/4	3/7	3/11	4/4	5/10	6/10
1/2 inch Thick	2/6	2/7 1/2	2/9	2/10	2/11	3/3	3/8	4/10	4/4	4/8	5/2	6/1	7/2
3/4 inch Thick	3/4	3/7	3/10	4/2	4/7	5/10	5/6	6/10	6/6	7/10	8/7	9/4	11/4

PRICES OF STAY BACKNUTS, AND SCREWING STAYS, BEYOND 11 INCHES.

External Diameter of Stays in Inches	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5
Screwed Nuts each	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10
Screwing Stays per lineal inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4

Prices of Tubes of larger sizes than 8 inches on application.

THE BIRMINGHAM PATENT IRON AND BRASS TUBE COMPANY,

SMETHWICK, NEAR BIRMINGHAM.

LONDON OFFICE: 77, CANNON STREET, E.C.

BRASS BOILER TUBES.

BRASS CONDENSER TUBES.

COPPER CONDENSER TUBES.

CONDENSER TUBE PLATES.

BRAZED COPPER TUBES AND PIPES.

SOLID DRAWN COPPER TUBES.

Digitized by Google